



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-----------------------------|---|------------------------|
| In re Patent Application of |) | |
| Webb |) | Group Art Unit: 2632 |
| Application No.: 10/652,654 |) | Examiner: Unassigned |
| Filed: August 28, 2003 |) | Confirmation No.: 1905 |
| For: SENSOR APPARATUS FOR |) | |
| DETECTING EARTHQUAKE |) | |
| GENERATED P-WAVES AND |) | |
| GENERATING A RESPONSIVE |) | |
| CONTROL SIGNAL |) | |

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$_____ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: February 18, 2004

By: 

Claude A.S. Hamrick
Registration No. 22,586

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(703) 836-6620



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FIRST
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

U.S. Patent Documents

| Document Number | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
|--------------------|--|--|
| 3,691,549 | Wilson | 09-12-1972 |
| 4,364,033 | Tsay | 12-14-1982 |
| 4,516,206 | McEvilly | 05-07-1985 |
| 4,689,997 | Windisch | 09-01-1987 |
| 4,764,762 | Almour | 08-16-1988 |
| 4,783,770 | Danbom | 11-08-1988 |
| 4,904,943 | Takahashi | 02-27-1990 |
| 5,001,466 | Orlinsky et al. | 03-19-1991 |
| 5,047,995 | Wells | 09-10-1991 |
| 5,101,195 | Caillat et al. | 03-31-1992 |
| 5,144,598 | Engdahl et al. | 09-01-1992 |
| 5,248,959 | Chern | 09-28-1993 |
| 5,278,540 | Caban-Domenech | 01-11-1994 |
| 5,420,380 | Harben et al. | 05-30-1995 |
| 5,489,889 | Kambouris et al. | 02-06-1996 |
| 5,539,387 | Gitlis et al. | 07-23-1996 |
| 5,563,575 | Yamamura et al. | 10-08-1996 |

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| 5,625,348 | Farnsworth et al. | 04-29-1997 |
| 5,742,166 | Park | 04-21-1998 |
| 5,760,696 | Sadri et al. | 06-02-1998 |
| 5,801,636 | Tatom et al. | 09-01-1998 |
| 5,856,620 | Okada | 01-05-1999 |
| 5,910,763 | Flanagan | 06-08-1999 |
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| 6,034,614 | Haley | 03-07-2000 |
| 6,038,924 | Lee et al. | 03-21-2000 |
| 6,114,967 | Yousif | 09-05-2000 |
| 6,138,516 | Tillman | 10-31-2000 |
| 6,265,979 | Chen et al. | 07-24-2001 |
| 6,356,204 | Guindi et al. | 03-12-2002 |

Foreign Patent Documents

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| 2 569 277 | FR |
| 0 305 982 | EP |
| 0 635 732 | EP |
| 05231039 | JP |
| 05231038 | JP |
| 59099277 | JP |

Non Patent Literature Documents

Motorola Semiconductor Technical Data, Low-Power CMOS Ionization Smoke Detector, Document #MC14467

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever


is later. Since documents are being filed within the time period set forth in 37 C.F.R.
§ 1.97(b) no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It
is respectfully requested that an Examiner-initialed copy of this form be returned to the
undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: February 18, 2004

By: 

Claude A.S. Hamrick
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Substitute for forms 1449A/PTO & 1449B/PTO

ATTORNEY'S DKT NO.
033837-003APPLICATION NO.
10/652,654**FIRST INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**APPLICANT
WebbFILING DATE
August 28, 2003GROUP
2632**U.S. PATENT DOCUMENTS**

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| | 2 569 277 | A1 | FR | 04-11-1985 | | |
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| | 05231039 | | JP | 07-09-1993 | | |
| | 05231038 | | JP | 07-09-1993 | | |
| | 59099277 | | JP | 07-06-1984 | | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|---|
| | Motorola Semiconductor Technical Data, Low-Power CMOS Ionization Smoke Detector, Document #MC14467, 8 pages. |
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|--------------------|-----------------|
| Examiner Signature | Date Considered |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for forms 1449A/PTO & 1449B/PTO

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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
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